This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (currently amended). A system for generating data comprising:

a deterministic data generation module embodied on at least one medium, the deterministic data generation module operating to generate ~~the exact~~ an identical collection of items of data each time the data generation data module is operated, the deterministic data generation module accepting, as a first input, at least one of: (a) data sets ~~and/or~~ and (b) data elements from which synthetic data is generated, said synthetic data having a sequence; and

a seed, the seed acting as a second input to the deterministic data generation module, the seed indicating ~~the~~ a position in the sequence of the synthetic data.

2 (original). The system as recited in claim 1, wherein the deterministic data generation module comprises a computing application.

3 (original). The system as recited in claim 2, wherein the computing application comprises a linear congruential generation function.

4 (original). The system as recited in claim 1, wherein the seed is set for each discrete data element that may want to be re-generated.

5 (original). The system in claim 1, wherein the deterministic data generation module operates in a serial fashion.

6 (original). The system as recited in claim 1, wherein the deterministic data generation module operates in a parallel fashion.

7 (original). The system as recited in claim 1, wherein the system comprises a database environment.

8 (currently amended). The system as recited in claim 1, wherein the first input comprises any of a range of letters, a range of numbers, a range of strings, a range of data sets, letters, numbers, strings, and data sets.

9 (currently amended). The system as recited in claim 1, further comprising a communication means, the communications means operating to communicate the ~~sequential~~ synthetic data to cooperating data environments.

10 (original). The system as recited in claim 1, wherein the synthetic data is data for use in benchmarking activities having a predefined data schema definition.

11 (currently amended). A method for generating data comprising:

providing a deterministic data generation module on at least one medium, the deterministic data generation module accepting inputs for processing to generate a data set having synthesized data wherein within the data set each data element has a sequence number, and the data set is organized such that the data is positioned from lowest sequence number to highest sequence number in a sequential fashion; and

providing a seed as input to the deterministic data generation module, the seed acting to position the deterministic data generation module to generate data having a predefined sequence number, wherein the seed value is derived from the predefined sequence number.

12 (original). The method as recited in claim 11, further comprising communicating the synthesized data to cooperating data environments.

13 (original). The method as recited in claim 11, further comprising changing the value of the seed.

14 (original). The method as recited in claim 11, processing the synthesized data by cooperating environments as part of a benchmarking study.

15 (currently amended). The method as recited in claim 11, further comprising schematizing the synthesized data according to a ~~predefine~~ predefined data schema definition.

16 (original). A computer medium having computer readable instructions to instruct a computer to perform the method as recited in claim 11.

17 (currently amended). A system to generate repeatable synthetic data comprising:

a means to generate a deterministic set of synthesized data, wherein each data element of the data set has a sequential number; and

a means to seed the generating function to generate data having a particular sequence number that is chosen based on the seed.

18 (currently amended). The system as recited in claim 17, wherein the seed comprises a value in ~~the~~ a range from one to the maximum number of data elements of the data set.

19 (original). The system as recited in claim 17, further comprising a communicating means, the communicating means for use to communicate the generated synthesized data to cooperating data environments.

20 (original). A method to generate repeatable synthesized data comprising:

executing a deterministic data generation function to generate data set corresponding to sequential numbers, the numbers associated with a data element of the data set; and

setting a seed to act as input for the deterministic data generation function such that the input drives the deterministic data generation function to generate data corresponding to a particular sequential number.